

**CORONARY SINUS LEAD WITH THERMAL SENSOR AND
METHOD THEREFOR**

Abstract of the Disclosure

5 A lead system is provided including a coronary sinus lead extending from a proximal end to a distal end, where the lead includes at least one thermal sensor, or optionally, a thermistor. The thermal sensor is positionable within a coronary sinus of a heart when the coronary sinus lead is implanted in the heart to measure the temperature of a myocardium. The method includes coupling at least one thermal
10 sensor with the implantable lead, including coupling a first thermal sensor and a second thermal sensor with the lead, placing the implantable lead and at least one thermal sensor within a coronary sinus of a heart and positioning the first thermal sensor within the coronary sinus, and positioning the second thermal sensor within a right atrium of a heart. The method further includes coupling the implantable
15 lead with the implantable electrical stimulation source, and measuring a myocardium temperature.

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